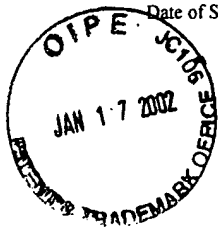


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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Katherine W. Osteryoung

Date: December 28, 2001

Serial No.: 09/553,431

Group Art Unit: 1638

Filed: 04/19/2000

Examiner: A. Kubelik

Title: MANIPULATION OF MIN GENES IN PLANTS

File No.: 920905.90041

RESPONSE

Commissioner for Patents  
Washington DC 20231

In response to the Office Action dated June 28, 2001, please amend the application as follows:

In the Claims:

Please amend Claims 1, 8, 11, 14, 20, 24, and 27 as follows:

*Sub B1*

1. (Amended) A transgenic plant comprising in its genome an artificial genetic construct comprising a sense or antisense MinD protein coding sequence and a promoter which promotes expression of the MinD protein coding sequence in cells of the plant, wherein expression of the sequence in the plant causes alteration in the size, shape and/or number of plastids in plant cells of the plant as compared to non-transgenic plants of the species, the MinD protein encoded by the protein coding sequence having at least a 50% sequence identity with SEQ ID NO:2.

2. The plant of Claim 1, wherein the coding sequence is selected from the group consisting of an Arabidopsis MinD protein coding sequence and a Tagetes MinD protein coding sequence.